

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/294,663

DATE: 04/28/1999
TIME: 08:29:33

INPUT SET: S31633.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Granados, Robert R
6 Wang, Ping
7
8 (ii) TITLE OF INVENTION: A Novel Invertebrate Intestinal Mucin
9 cDNA and Related Products and Methods
10
11 (iii) NUMBER OF SEQUENCES: 4
12
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: Brown, Pinnisi & Michaels, P.C.
15 (B) STREET: 118 North Tioga Street
16 (C) CITY: Ithaca
17 (D) STATE: NY
18 (E) COUNTRY: USA
19 (F) ZIP: 14850
20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER: US
29 (B) FILING DATE: 19-APR-1999
30 (C) CLASSIFICATION:
31
32 (vii) PRIOR APPLICATION DATA:
33 (A) APPLICATION NUMBER: US 09/103,429
34 (B) FILING DATE: 24-JUN-1998
35
36 (viii) ATTORNEY/AGENT INFORMATION:
37 (A) NAME: Michaels, Christopher A
38 (B) REGISTRATION NUMBER: 34,390
39 (C) REFERENCE/DOCKET NUMBER: BTI-39-CIP
40
41 (ix) TELECOMMUNICATION INFORMATION:
42 (A) TELEPHONE: (607) 256-2000
43 (B) TELEFAX: (607) 256-3628
44
45
46 (2) INFORMATION FOR SEQ ID NO:1:

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PATENT APPLICATION US/09/294,663DATE: 04/28/1999
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47
48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 2455 base pairs
50 (B) TYPE: nucleic acid
51 (C) STRANDEDNESS: double
52 (D) TOPOLOGY: linear
53
54 (ii) MOLECULE TYPE: cDNA
55
56 (iii) HYPOTHETICAL: NO
57
58 (iv) ANTI-SENSE: NO
59
60 (v) FRAGMENT TYPE: N-terminal
61
62 (vi) ORIGINAL SOURCE:
63 (A) ORGANISM: Trichoplusia ni
64 (F) TISSUE TYPE: Peritrophic Membrane
65
66 (vii) IMMEDIATE SOURCE:
67 (B) CLONE: IIM14
68
69
70
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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73 GTAACGTTAA GTGAAAAGAA TAACCAGCGA ACAAGTTATG ATAAAGACCC TCCTATTCCT 60
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75 GACGGCCCTC GGGCTCGTCG CCGCGCGTCC TGAAGTCAGC GACGCGGAGA AGAACCCCGC 120
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77 TCTCCACGAG CCGCACCCAG ACTGCCCTCC CGCTGAGCAG CACTGGCTCC TGCCTCACGA 180
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79 ATACGACTGC ACCAAGTTCT ACTACTGTGA ATATGGTCTC AAGTTCATCG CACCGAGAGA 240
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81 CTGTGCTCCT GGTACCGAAT TCAAGTTCTC CGCTCAGACT TGTGTTACAG CCGCTTTAGC 300
82
83 CGGATGCACC CTGCCAGGAC CTCCAGCTGA GACAACCCAG GCCCCAGCAA CAACTCAGGC 360
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85 CCCAACAACC ACCCAGGCCC CAACCACAAC TACTCAGGCC CCTACTACAA CCACCCAGGC 420
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87 CCCAACCACA ACCACCCAGG CCCCAACCAC CACCCAGGCC CCAACCACCA CCCAGGCCCC 480
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89 AACTACCACT CAGGCCCCCTA CTACTACCAC TCAGGCCCCA ACCACAACCA CTCAGGCCCC 540
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91 TACCACAACC ACCCAGGCCC CAACCACCAC CCAGGCCCCA ACTACCACCC AGGCCCCAAC 600
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93 TACCACTCAG GCCCCAACTA CAATCACCCA GGCTGCAACT ACCCCGGCCG CAACTACCCC 660
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97 AGGTGTTCCCT GCACCCACTT CAGCCCCAGT CTGGCCCCCG ATCTGTGAAC TGTGCCCCAA 780
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99 TGGTTGCCCCA GCTGACTTCG ACATCCACTT GTTGATTCCC CACGACAAGT ACTGCAACCT 840

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107	CGACAATGGA	TGCCCAGCTA	ACTTCGAAAT	CGACTGGCTC	TTGCCCCACG	GAAACCGTTG		1080
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109	CGACAAGTAT	TACCAGTGCG	TCCACGGTAA	CTTGGTAGAG	AGGCGTTGTG	GAGCCGGCAC		1140
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115	CACGGAACCC	ATTGAATGGG	AGCCCCTCCC	CAACGGCTGC	CCTGCCGACT	TCAGCATCGA		1320
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117	CCACCTCCTC	CCCCACGAGA	GCGACTGCGG	CCAGTATCTA	CAGTGTGTCC	ATGGACAGAC		1380
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119	TATCGCAAGA	CCTTGCCCTG	GAAACCTGCA	CTTCAGTCCT	GCCACACAGT	CCTGTGAGTC		1440
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125	TGCCGCACCC	TCCACCGTGG	TCCCACCTGC	AACGCCACCC	GCAACTGCAG	CCCCAGTCCC		1620
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137	CACAGTCACT	GTACCACCCA	CTGCTGCCCC	TACTACCGCA	GCACCTGCCC	CCAACACCAC		1980
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139	AGTCACTGTA	CCACCCACTG	CTGCCCCCAC	TGCAGCTCCC	CCTACCGTCG	CACATGCACC		2040
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143	TGACATCGAC	CCCCCTCTCC	CCAACGACCC	CATCAACCCT	TGCGTTGAAG	AATGCAACGT		2160
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145	TTTGCCCTGG	GCTCACGCTG	ACTGCGACAA	ATACTGGGTC	TGTGACGGCA	ACAACCAAGT		2220
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147	CCTGGTGGTT	TGCTCTGAGG	GTCTCCAGTT	CAACCCCACT	ACTAAGACCT	GTGACTTCGC		2280
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149	TTGCAACGTC	GGTTGCGTGA	GGAGCAACAT	TCAGATGTCT	GAAAGCTACG	AAGGAGTCCA		2340
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151	GGTCTTCATC	CCATGGAACA	AACTAGATGA	AGACATCAGA	CAGGCGCTGA	ACTTTGAGTT		2400
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153 GTAAACCTAC TTAAATTAAT GAAGGTTTTG TTTTAAAAAA AAAAAAAAAA AAAAA 2455
154
155 (2) INFORMATION FOR SEQ ID NO:2:
156
157 (i) SEQUENCE CHARACTERISTICS:
158 (A) LENGTH: 2821 base pairs
159 (B) TYPE: nucleic acid
160 (C) STRANDEDNESS: double
161 (D) TOPOLOGY: Not Relevant
162
163 (ii) MOLECULE TYPE: cDNA
164
165 (iii) HYPOTHETICAL: NO
166
167 (iv) ANTI-SENSE: NO
168
169 (v) FRAGMENT TYPE: N-terminal
170
171 (vi) ORIGINAL SOURCE:
172 (A) ORGANISM: Trichoplusia ni
173 (D) DEVELOPMENTAL STAGE: larva
174 (F) TISSUE TYPE: peritrophic membrane
175
176
177
178 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
179
180 GAAAAGAATA ACCAGCGAAC AAGTTATGAT AAAGACCCCTC CTATTCCTGA CGGCCCTCGG 60
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182 GCTCGTCGCC GCGCGTCCTG AAGTCAGCGA CGCGGAGAAG AACCCCGCTC TCCACGAGCC 120
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184 GCACCCAGAC TGCCCTCCCG CTGAGCAGCA CTGGCTCCTG CCTCACGAAT ACGACTGCAC 180
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186 CAAGTTCTAC TACTGTGAAT ATGGTCTCAA GTTCATCGCA CCGAGAGACT GTGCTCCTGG 240
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188 TACCGAATTC AAGTTCTCCG CTCAGACTTG TGTTCACGCC GCTTTAGCCG GATGCACCCT 300
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190 GCCAGGACCT CCAGCTGAGA CAACCCAGGC CCCAGCAACA ACTCAGGCCC CAACAACCAC 360
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192 CCAGGCCCCA ACCACAATA CTCAGGCCCC TACTACAACC ACCCAGGCCC CAACCACAAC 420
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194 CACCCAGGCC CCAACCACCA CCCAGGCCCC AACCACCACC CAGGCCCAA CTACCACTCA 480
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198 CCAGGCCCCA ACCACCACC AGGCCCCAAC TACCACCAG GCCCAACTA CCACTCAGGC 600
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200 CCCAACTACA ATCACCAGG CTGCAACTAC CCCGGCCGCA ACTACCCCGG CCGCAACTAC 660
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202 CCCGGCCGCA ACTACCCCTG CCGCGACAAC CCCCCTGCA ACTACCCAG GTGTTCTCTG 720
203
204 ACCCACTTCA GCCCCAGTCT GGCCCCCGAT CTGTGAACTG TTGCCCAATG GTTGCCACAG 780
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206	TGACTTCGAC ATCCACTTGT TGATTCCCCA CGACAAGTAC TGCAACCTCT TCTACCAGTG	840
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208	CTCCAACGGT TACACCTTCG AACAGAGGTG CCCTGAGGGA CTCTACTTCA ACCCCTACGT	900
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210	CCAGCGCTGC GACTCTCCTG CTAACGTTGA ATGCGACGGC GAAATCAGCC CCGCACCCCC	960
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212	AGTCACAGAA GGCAACGAAG ACGAAGACAT TGACATCGGA GACCTCCTCG ACAATGGATG	1020
213		

PAGE: 1

SEQUENCE VERIFICATION REPORT
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Line	Error	Original Text
28	Wrong application Serial Number	(A) APPLICATION NUMBER: US